

Atomic Structure Question 1

Support material

Markschemes/marketing notes:

1. Proton; [1]

Neutron; [1]

Either order is fine. If electron (or any other wrong answer) is given, or additional answers are given, maximum [1]

[total = 2]

Rubric:

1. Proton; [1]

Neutron; [1]

Either order is fine. If electron (or any other wrong answer) is given, or additional answers are given, maximum [1] [total = 2]

Student work samples:

Additional resources:

Examiner notes:

Question 1: Type: short answer DP area assessed: Chemistry, Topic 2, Atomic Structure Teacher info: This question is a check that students know the names and locations of the subatomic particles. This is very basic to the study of the structure of the atom, and the location, especially, can be confusing. Understanding that only the electron is outside the nucleus, and therefore available for sharing, removal, or transfer, underlies much of the further work on chemical interactions.

1. There are 3 types of subatomic particles in most atoms.

a) What are the names of each of the two that are found in the nucleus? [2]

b) Which subatomic particle is found outside the nucleus? [1] b) Two subatomic particles have opposite charges. Which one is uncharged (has 0 charge)? [1]

Subject:

Chemistry

DP Component & Criteria:

Short-answer Questions/Paper 2 and 3

Component type:

External

MYP Criteria:

Group 4 / Sciences

Atomic Structure Question 1

Tags:

Chemistry,
atomic structure